

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Currently Amended) The process according to claim 410, wherein the micromixer is a mixer with channel widths of less than 100 μm .
5. (Currently Amended) The process according to claim 410, wherein the micromixer is a multilamination mixer or a split and recombine mixer.
6. (Currently Amended) The process according to claim 410, wherein the delay structure is a capillary of predefined volume or another volume with uniform flow or an arrangement with uniform flow.
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Currently Amended) The process according to claim 1, which comprises A process for labelling a biomolecule with a label compound that reacts with the biomolecule to form a

covalent bond, said process comprising:

- a) feeding a first solution comprising the biomolecule and a second solution comprising the label compound in defined quantitative flow rates to a first micromixer, wherein the biomolecule is selected from the group consisting of proteins, nucleic acids and saccharides, and the label compound is a dye;
- b) intensively mixing said first and second solutions in the first micromixer to form a reaction mixture and effect a reaction between the biomolecule and the label compound;
- c) feeding the reaction mixture into a delay structure;
- d) retaining the reaction mixture in the delay structure for a time predetermined by the volume of the delay structure and the flow rate of the reaction mixture into the delay structure; and
- de) optionally terminating the reaction after the predefined time.

11. (Previously Presented) The process according to claim 10, wherein the reaction mixture is pumped in circulation in a circuit in the delay structure, and a second micromixer is inserted into the circuit.